

GP-300999

ELECTRICAL MOTOR POWER MANAGEMENT SYSTEM

ABSTRACT OF THE DISCLOSURE

A power control system for an electric traction motor in a vehicle comprising at least one inverter for providing conditioned electrical power to the electric traction motor, a plurality of power stages for providing DC

- 5 power to the at least one inverter, each stage including a battery and boost/buck DC-DC converter, the power stages wired in parallel, and where the power stages are controlled to maintain an output voltage to the at least one inverter.